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DE19920789A1

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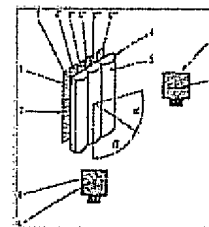
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Derwent Title: Display unit for vehicles shows two mutually independent images; optical element enables one image to be viewed only in first viewing angle range, second image only in second angle range

Original Title: ☒ [DE19920789A1](#): Zur Verwendung in einem Kraftfahrzeug vorgesehene Anzeigeeinheit

Assignee: **MANNESMANN VDO AG** Standard company
 Other publications from [MANNESMANN VDO AG \(MANS\)](#)...
SIEMENS AG Standard company
 Other publications from [SIEMENS AG \(SIE\)](#)...
VDO SCHINDLING AG ADOLF Standard company
 Other publications from [VDO SCHINDLING AG ADOLF \(VDOT\)](#)...



Inventor: **RUPP C;**

Accession/Update: 2000-351798 / 200332

IPC Code: B60K 35/00 ; B60K 37/02 ; G01D 13/00 ;

Derwent Classes: [Q13](#); [S02](#); [X22](#);

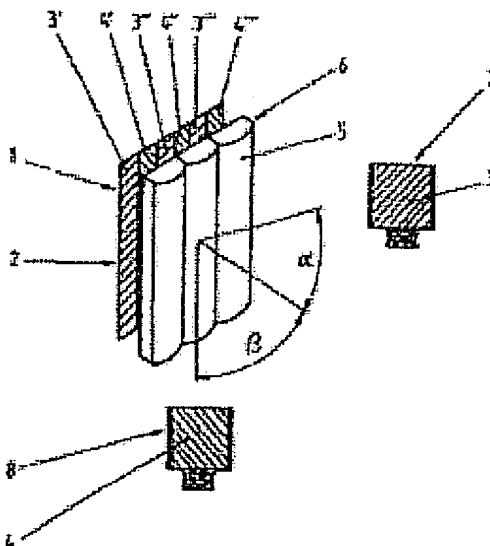
Manual Codes: [S02-K06A](#)(Scales, dials, pointers) , [X22-E](#)(Instrumentation for dashboard) , [X22-J](#)(Vehicle accessories)

Derwent Abstract: ([DE19920789A](#)) **Novelty** - The display unit has a display (2) whereby images presented on the display can only be viewed within a viewing angle range. Two mutually independent images (3,4) can be displayed, whereby an optical element (6) enables one image to be viewed only in a first range (alpha) of viewing angles and the second image (4) only from a second range (beta) of viewing angles.

Use - For use in a motor vehicle.

Advantage - Reliably prevents distraction of the driver by images presented to the passenger whilst enabling information to be provided to the driver as required without manual operation of the display.

Images:



Description of Drawing(s) - The drawing shows a schematic perspective representation of a display unit
 display 2, images 3,4, optical element 6, viewing angle ranges alpha,beta [Dwg.1/2](#)

* Family:	PDF Patent	Pub. Date	Derwent Update	Pages	Language	IPC Code
	<input checked="" type="checkbox"/> DE19920789A1 *	2000-05-04	200031	4	German	B60K 35/00
	Local appls.: DE1999001020789 Filed:1999-05-06 (99DE-1020789)					
	<input checked="" type="checkbox"/> EP0999088B1 =	2003-03-05	200318	6	German	B60K 35/00
	Des. States: (R) DE FR GB					
	Local appls.: EP1999000121212 Filed:1999-10-23 (99EP-0121212)					
	<input checked="" type="checkbox"/> JP2000142173A2 =	2000-05-23	200033	4	English	B60K 35/00
	Local appls.:					
	<input checked="" type="checkbox"/> EP0999088A1 =	2000-05-10	200031	7	German	B60K 35/00
	Des. States: (R) AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
	Local appls.: EP1999000121212 Filed:1999-10-23 (99EP-0121212)					

INPADOC

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Legal Status:

* First Claim:

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1. Zur Verwendung in einem Kraftfahrzeug vorgesehene Anzeigeeinheit mit einem Display, wobei eine Abbildung auf dem Display nur aus einem Blickwinkelbereich sichtbar ist, dadurch gekennzeichnet, daß mittels des Displays (2) zwei voneinander unabhängige Abbildungen (3, 4) darstellbar sind, wobei mittels eines optischen Elementes (6) die erste Abbildung (3) nur aus dem ersten Blickwinkelbereich (α) und die zweite Abbildung (4) nur aus einem zweiten Blickwinkelbereich (β) sichtbar ist.

* Priority

Number:

Application Number	Filed	Original Title
DE1998001050573	1998-11-02	

* Title Terms:

DISPLAY UNIT VEHICLE SHOW TWO MUTUAL INDEPENDENT IMAGE OPTICAL
ELEMENT ENABLE ONE IMAGE VIEW FIRST VIEW ANGLE RANGE SECOND IMAGE
SECOND ANGLE RANGE

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